APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/032,363	12/21/2001	Fabio Casati	10013644	4968

7590 12/15/2006	EXAMINER
HEWLETT-PACKARD COMPANY	BOYCE, ANDRE D
Intellectual Property Administration	

ART UNIT	PAPER NUMBER
3623	

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DATE MAILED: 12/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/032,363	CASATI ET AL.
	Examiner	Art Unit	
	Andre Boyce	3623	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>26 September 2006</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-23</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-23</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

Response to Amendment

1.   This Final office action is in response to Applicant's amendment filed September 26, 2006. Claims 1, 5, 10, 14, 17 and 21 have been amended. Claims 1-23 are pending.

2.   The previously pending objection to figure 1 has been withdrawn.

The previously pending rejections to claims 7, 10-16, and 17-23 under 35 U.S.C. 112, second paragraph, have been withdrawn.

3.   Applicant's arguments filed September 26, 2006 have been fully considered but they are not persuasive.

Claim Rejections - 35 USC § 102

4.   The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

5.   Claims 1-5, 7, 8, 10-14, 16-21, and 23 are rejected under 35 U.S.C. 102(b) as being anticipated by Casati et al (eFlow: a Platform for Developing and Managing Composite e-Services, April 2000).

As per claim 1, Casati et al disclose method for performing a context-dependent service comprising (i.e., service provider selects and invokes proper composite service, based up context of customer request, ¶ 8): executing a composite service (i.e.,

composite e-services, ¶ 5); utilizing a context repository to store context information for a

user (i.e., data type repository, ¶ 32), wherein said context information is automatically

detected without requiring user interaction (i.e., dynamic process evolution, wherein for

example, the user has booked a flight with an air carrier hit by a strike and eFlow

automatically detects the airline strike, i.e., context information, and defines a new

process, ¶ 27) and wherein said context information is based on a present user location

(i.e., composite service based on customer current location, ¶ 8) accessing context

information (i.e., customer data, including name, current address, and destination

address, ¶ 9); and automatically incorporating said context information with said

composite service (i.e., eMove collects data and notifies the change of address to all

parties that have relations to the customer, ¶ 9).

As per claim 2, Casati et al disclose a node definitions repository; process

definitions repository; and process execution data (i.e., eFlow provides a repository of

processes, nodes, and data type definitions, ¶ 28).

As per claim 3, Casati et al disclose said composite service is an electronically

available e-service (i.e., composite e-services, ¶ 5).

As per claim 4, Casati et al disclose said context information is related to a user (i.e.,

customer data, including name, current address, and destination address, ¶ 9).

As per claim 5, Casati et al disclose said context information is maintained in said

context repository (i.e., data type repository, to allow the reuse of the same data type

across different service nodes and processes, ¶ 32) includes context information based

on a planned future user location (i.e., selecting and invoking the proper composite

service based on destination of customer, ¶ 8).

As per claim 7, Casati et al disclose said context information is automatically

incorporated with said composite service without requiring action by said user (i.e., most

eMove services require general information related to a customer and may be reused

directly from the data repository, ¶ 32).

As per claim 8, Casati et al does not explicitly disclose said context dependent

service includes a (c)ontext-node (i.e., data collection node, ¶ 29)

Claims 10-14 and 16 are rejected based upon the rejections of claims 1-5 and 7,

respectively, since they are the computer system claims corresponding to the method

claims.

Claims 17-21 and 23 are rejected based upon the rejections of claims 1-5 and 7,

respectively, since they are the computer usable medium claims corresponding to the

method claims.

Claim Rejections - 35 USC § 103

6.   Claims 6, 15, and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Casati et al (eFlow: a Platform for Developing and Managing Composite e-

Services, April 2000), in view of Stewart et al (US 2002/0161688).

As per claim 6, Casati et al does not explicitly disclose said context repository is

maintained and updated by: a semantic context broker; an application monitor; a device

monitor; and an environment monitor. Stewart et al disclose a unified modeling

language (i.e., semantic context broker) used to populate repositories with activity

diagrams, state charts, and workflow models, wherein the repositories are read at

run-time by various components (i.e., an application monitor; a device monitor; and

an environment monitor), including off-the-shelf configuration/revision tools (¶

0315). Both Casati et al and Stewart et al are concerned with effective workflow

management, therefore it would have been obvious to one having ordinary skill in the art

at the time the invention was made to include context repository is maintained and

updated by: a semantic context broker; an application monitor; a device monitor; and an

environment monitor in Casati et al, as seen in Stewart et al, as an efficient means of

updating the repository via a method that can take advantage of off-the-shelf

management tools (see Stewart et al, ¶ 0315), making the Casati et al system more

robust and flexible.

Claim 15 is rejected based upon the rejection of claim 6, since it is the computer

system claim corresponding to the method claim.

Claims 22 is rejected based upon the rejection of claim 6, since it is the computer

usable medium claim corresponding to the method claim.

7.   Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Casati et al

(eFlow: a Platform for Developing and Managing Composite e-Services, April 2000), in

view of Ramanathan et al (USPN 6,182,136).

As per claim 9, Casati et al does not explicitly disclose said c-node is executed

by selecting a process execution time node to be invoked, based on context

information. Ramanathan et al disclose defining nodes of various types and

indicating their associated dependencies among the nodes (column 8, lines 5-11).

Both Casati et al and Ramanathan et al disclose services and service elements that

are cooperative in execution of a core service, therefore it would have been obvious

to one having ordinary skill in the art at the time the invention was made to include

defining nodes of various types and indicating their associated dependencies in

Casati et al, as seen in Ramanathan et al, as an effective means of determining

when a node is to be executed, making Casati et al more robust.

Response to Arguments

8.   In the Remarks, Applicant argues, with respect to claims 1, 10 and 17, that

Casati et al does not teach utilizing a context repository to store context information

for a user, wherein said context information is automatically detected without

requiring user interaction and wherein said context information is based on a present

user location. The Examiner respectfully disagrees and submits that Casati et al

disclose a data type repository (¶ 32), including customer related information, thus

indeed disclosing utilizing a context repository to store context information for a user.

In addition, Casati et al disclose a dynamic process evolution, wherein for example,

the user has booked a flight with an air carrier hit by a strike and eFlow automatically

detects the airline strike, i.e., context information, and defines a new process (¶ 27),

thus indeed disclosing wherein said context information is automatically detected

without requiring user interaction. Lastly, Casati et al disclose composite service

based on customer current location (¶ 8), therefore disclosing wherein said context

information is based on a present user location.

Conclusion

9.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time
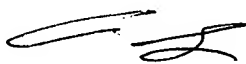
policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and

any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing

date of the advisory action. In no event, however, will the statutory period for reply

expire later than SIX MONTHS from the mailing date of this final action.

10.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Andre Boyce whose telephone number is (571) 272-

6726. The examiner can normally be reached on 9:30-6pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Tariq Hafiz can be reached on (571) 272-6729. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-

8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR

only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like

assistance from a USPTO Customer Service Representative or access to the

automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-

272-1000.

adb
December 5, 2006

ANDRE BOYCE
PATENT EXAMINER
A.U. 3623